

**PROPOSED**

[Issuance Date]

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

05-XXE CAB  
File No. 0467-02

Mr. Mel Miyamoto  
Vice President  
Hawaiian Dredging Construction Company  
P. O. Box 4088  
Honolulu, Hawaii 96812-4088

Dear Mr. Miyamoto:

**Subject: Temporary Covered Source Permit (CSP) No. 0467-01-CT**  
**Application for Renewal No. 0467-02**  
**Hawaiian Dredging Construction Company**  
**1500 TPH Portable Stone Quarrying and Processing Plant**  
**with 810 hp Diesel Engine Generator**  
**Located at: Various Temporary Sites, State of Hawaii**  
**Current Location: Yamada and Sons, Inc., 733 Kanoiehua Avenue,**  
**Hilo, Hawaii**  
**Date of Expiration: [Five-Year Period from Issuance Date]**

The subject Temporary Covered Source Permit is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information that you submitted as part of your renewal application received on August 31, 2004. This permit shall supersede CSP No. 0467-01-CT issued on September 13, 2000, in its entirety. A receipt for the application filing fee of \$500.00 is enclosed.

The Temporary Covered Source Permit is issued subject to the conditions/requirements set forth in the following Attachments:

- Attachment I: Standard Conditions
- Attachment II: Special Conditions
- Attachment II - INSIG: Special Conditions - Insignificant Activities
- Attachment III: Annual Fee Requirements
- Attachment IV: Annual Emissions Reporting Requirements

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Mr. Mel Miyamoto  
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The forms for submission are as follows:

- Compliance Certification Form
- Monitoring Report Form: Operating Hours
- Monitoring Report Form: Fuel Certification
- Monitoring Report Form: Stone Quarrying and Processing
- Monitoring Report Form: Visible Emissions
- Annual Emissions Report Form: Fuel Consumption
- Annual Emissions Report Form: Stone Quarrying and Processing
- Change of Location Request for a Temporary Source

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Department of Health, or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

Sincerely,

THOMAS E. ARIZUMI, P.E., CHIEF  
Environmental Management Division

DL:lk

Enclosures

c: Ed Yamamoto, EHS - Hilo  
CAB Monitoring Section

## PROPOSED

### ATTACHMENT I: STANDARD CONDITIONS TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT

[Issuance Date]

[Expiration Date]

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.  
  
(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be wilfully defaced, altered, forged, counterfeited, or falsified.  
  
(Auth.: HAR §11-60.1-6; SIP §11-60-11)<sup>2</sup>
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.  
  
(Auth.: HAR §11-60.1-7; SIP §11-60-9)<sup>2</sup>
4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.  
  
(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the Regional Administrator for the U.S. Environmental Protection Agency (EPA).  
  
(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)

7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1 and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department of Health in writing of the following dates:

- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
- b. The **actual date of construction commencement** within fifteen (15) days after such date; and
- c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department of Health to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department of Health copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health may require the permittee to furnish such records not only to the Department of Health but also directly to the U.S. EPA Administrator along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department of Health in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:

- a. Identification of the specific equipment to be taken out of service, as well as its location and permit number;
- b. The expected length of time that the air pollution control equipment will be out of service;
- c. The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
- d. Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
- e. The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)<sup>2</sup>

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit,** the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:
- a. Identification of each affected emission point and each emission limit exceeded;
  - b. Magnitude of each excess emission;
  - c. Time and duration of each excess emission;
  - d. Identity of the process or control equipment causing each excess emission;
  - e. Cause and nature of each excess emission;
  - f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
  - g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
  - h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)<sup>2</sup>

18. A copy of applicable correspondence or records submitted to the Department of Health shall be provided to the U.S. EPA Administrator.

(Auth.: HAR §11-60.1-90)

19. The permittee may request confidential treatment of any records in accordance with HAR Section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

20. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- a. Construction shall be commenced within eighteen (18) months after the permit takes effect, shall not be discontinued for a period of eighteen (18) months or more, and shall be completed within a reasonable time.
- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

21. The Department of Health may extend the time periods specified in Standard Condition No. 20 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

22. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)

23. All certifications shall be in accordance with HAR, Section 11-60.1-4.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

24. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:

- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
- b. To sample or monitor at reasonable times substances or parameters to assure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

25. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of the facility covered by this permit**, the discontinuance shall be reported in writing to the Department of Health by a responsible official of the source.

(Auth.: HAR §11-60.1-8; SIP §11-60-10)<sup>2</sup>

26. Each permit renewal application shall be submitted to the Department of Health no fewer than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Department of Health may allow a permit renewal application to be submitted no fewer than six (6) months prior to the permit expiration date, if the Department of Health determines that there is reasonable justification.

(Auth.: HAR §11-60.1-101, 40 CFR §70.5 (a)(1)(iii))<sup>1</sup>

27. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.

(Auth.: HAR §11-60.1-93)

28. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department of Health and the U.S. EPA Regional Administrator once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

29. **Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:**

**Clean Air Branch  
Environmental Management Division  
State of Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378**

**Upon request, all correspondence to the State of Hawaii Department of Health associated with this Covered Source Permit shall have duplicate copies forwarded to:**

**Chief  
Permits Office, (Attention: Air-3)  
Air Division  
U.S. Environmental Protection Agency  
Region 9  
75 Hawthorne Street  
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

30. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received ("stamped") at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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<sup>1</sup> The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

<sup>2</sup> The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

**Section A. Equipment Description**

1. This Temporary Covered Source Permit consists of the following equipment and associated appurtenances:
  - a. One (1) 52" x 20' Cedarapids Vibrating Grizzly Feeder, model no. 5220VGF, serial no. 50814;
  - b. One (1) 1500 TPH Cedarapids Primary Jaw Crusher, model no. 3054, serial no. 50764;
  - c. One (1) 380 TPH Cedarapids Cone Crusher, model no. RC54, serial no. 2310792;
  - d. One (1) 5' x 16' Cedarapids 3-Deck Screen, model no. 5163-26, serial no. 34C1492;
  - e. Radial Stacker and Miscellaneous conveyors;
  - f. Water spray system; and
  - g. One (1) 810 hp Caterpillar Diesel Engine Generator, model no. 3412DI, serial no. 81Z09827.

(Auth.: HAR §11-60.1-3)

2. The permittee shall permanently attach an identification tag or nameplate on each of the equipment listed above except for the radial stacker, miscellaneous conveyors and water spray system which identifies the model number, serial number or I.D. number and manufacturer. The identification tag or name plate shall be attached to the equipment in a conspicuous position.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

**Section B. Applicable Federal Regulations**

The 1500 TPH primary jaw crusher, 380 TPH cone crusher, 3-deck screen, radial stacker and miscellaneous conveyors, are subject to the provisions of the following federal regulations:

40 CFR Part 60, New Source Performance Standards (NSPS),

1. Subpart A, General Provisions; and
2. Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

The permittee shall comply with all applicable requirements of these standards, including all emission limits, notification, reporting, monitoring, testing and recordkeeping requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.1, §60.670) <sup>1</sup>

**Section C. Emission and Operational Limitations**

1. The 810 hp diesel engine generator shall be fired only on diesel fuel no. 2 with a maximum sulfur content not to exceed 0.5 percent by weight.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-38, §11-60.1-90)

2. The total hours of operation for the 810 hp diesel engine generator shall each not exceed 2,080 hours per any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

3. For any six (6) minute averaging period, the 810 hp diesel engine generator shall not exhibit visible emissions of twenty (20) percent opacity or greater, except as follows: during start-up, shutdown, or equipment breakdown, the 810 hp diesel engine generator may exhibit visible emissions greater than twenty (20) percent opacity but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90, SIP §11-60-24) <sup>2</sup>

4. The annual production of the 1500 TPH portable stone processing plant shall not exceed 1,000,000 tons per any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

5. The permittee shall not cause to be discharged into the atmosphere from the 1500 TPH primary jaw crusher or the 380 TPH cone crusher, fugitive emissions which exhibit greater than fifteen (15) percent opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.672) <sup>1</sup>

6. The permittee shall not cause to be discharged into the atmosphere from the 3-deck screen, or from any transfer point on the radial stacker or any of the miscellaneous conveyors, fugitive emissions which exhibit greater than ten (10) percent opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)<sup>1</sup>

7. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at the portable stone processing plant and throughout the workyard, including all material transfer points, open conveyors, and stockpiles. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

8. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property on which the emissions originate.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

9. Water spray bars and/or water spray trucks shall be provided as necessary at the following locations to minimize fugitive dust:

- a. At stockpiles and material drop off points;
- b. At the screen and conveyor transfer points;
- c. At the primary jaw crusher and cone crushers; and
- d. On the facility's unpaved roads.

The water spray system shall be maintained in good operating condition and be utilized as necessary during plant operations. The Department of Health may at any time require additional water sprays or manual water spraying at pertinent locations other than those listed above if an inspection indicates poor or insufficient fugitive dust control.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

10. The permittee shall not operate the portable stone processing plant if the inspection of the waterspray system, as required by Special Condition No. D.3. of this Attachment, indicates there is a significant drop in water flow rate, plugged nozzle(s), leak in the piping system, or other problems which affects the efficiency of the waterspray system. The permittee shall investigate and correct the problem before resuming operation. The normal operating flow rate (gal/min) and/or water pressure (psi) of the waterspray system shall be established in the performance test conducted pursuant to Section F of this Attachment, and may be incorporated into the permit.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

11. The permittee shall operate the portable stone processing plant as a single plant with all incoming materials being processed by the primary jaw crusher. The permittee shall not operate the plant in a configuration that would result in an increase in the number of emission points or stockpiles, such as the addition of more transfer or stacking conveyors.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

12. The crushers, screen, conveyors, and the diesel engine generator shall be maintained in good operating condition with scheduled inspection and maintenance as recommended by the manufacturer or at least once per month.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

13. The operation of the equipment covered by this temporary covered source permit shall involve at least one (1) location change during the term of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-81, §11-60.1-90)

14. Subsequent location changes of the portable stone quarrying and processing plant shall be in accordance with Section G of this Attachment. For each change in location, the Department of Health reserves the right to impose additional operational controls and restrictions if a site evaluation indicates the controls and/or restrictions are necessary.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

15. Alternate Operating Scenario.

The permittee may replace the diesel engine generator with a temporary replacement unit if any repair work (i.e., equipment failure, engine overhaul, or any major equipment problems requiring maintenance for efficient operation) reasonably warrants the removal of the diesel engine generator from its site provided the following are adhered to:

- a. Written notification identifying the reason(s) for removal and temporary replacement of the diesel engine generator is submitted to and approved by the Department of Health prior to the exchange;
- b. The diesel engine generator is replaced with an engine of the same size or smaller;
- c. The temporary replacement unit complies with all applicable conditions including all air pollution control requirements, operating restrictions and emission limits;
- d. The diesel engine generator shall be repaired and returned to service at the same location in a timely manner; and

- e. Prior to the removal and return of any diesel engine generator, the permittee shall submit to the Department of Health written documentation on the removal and return dates and on the make, size, model and serial numbers for both the temporary replacement unit and installed unit.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### **Section D. Monitoring and Recordkeeping Requirements**

1. A non-resetting hour meter shall be operated and maintained on the 810 hp diesel engine generator for the permanent recording of the total hours the engine has operated.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

2. A water pressure gauge and/or flow meter shall be operated and maintained to measure the operating water pressure (psi) and/or flow rate (gal/min) of the waterspray system.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

3. The waterspray system, to include the piping system, spray nozzles, and water pressure gauge and/or flow meter, shall be checked routinely, at least once per week.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

4. Visible Emissions (V.E.)

- a. Except in those months where a performance test is conducted pursuant to Section F of this Attachment, the permittee shall conduct **monthly** (*calendar month*) visible emissions observations for the 1500 TPH primary jaw crusher, 380 TPH cone crusher, 3-deck screen, and transfer points on the radial stacker and miscellaneous conveyors. Observations shall be made at emission points subject to an opacity limit, and shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9 or by use of a Ringelmann Chart as provided. For the monthly observations, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point. In addition, the observer shall comply with the following additional requirements:

- i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
- ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9; Section 2.1) shall be followed; and
- iii. The observer shall record the operating capacity (ton/hr) of the plant at the time the observations were made.

Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements**.

The Department of Health may allow observation of a portion of the total emission points, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least three (3) emission points shall be observed each month. The selection of the points and allowance to observe a portion of the total required emission points shall be obtained in writing from the Department of Health.

- b. The permittee shall conduct **monthly** (*calendar month*) visible emissions observations of the 810 hp diesel engine generator's exhaust stack in accordance with 40 CFR Part 60, Appendix A, Method 9, or by use of a Ringelmann Chart as provided. For the monthly observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements**.
- c. The permittee shall conduct **annual** (*calendar year*) visible emissions observations of the 810 hp diesel engine generator's stack exhaust by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9. For the annual observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements**.
- d. Upon written request and justification, the Department of Health may waive the requirement for the annual visible emissions observations for the 810 hp diesel engine generator. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior test indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. observations.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-32, §11-60.1-90)

- 5. The permittee shall maintain records on the following items:
  - a. The total number of hours the 810 hp diesel engine generator has operated on a monthly and rolling twelve (12) month basis. Monthly records shall include:
    - i. Date of meter reading;
    - ii. Beginning meter readings for each month;
    - iii. Total operating hours for each month; and
    - iv. Total operating hours on a rolling twelve (12) month basis;
  - b. The total number of gallons of diesel fuel no. 2 that the 810 hp diesel engine generator has consumed on a monthly and annual basis for the purpose of annual emissions reporting;

- c. Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered to the site for the diesel engine generator. Fuel sulfur content may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received;
- d. The total tons of material processed on a monthly and rolling twelve (12) month basis by the portable stone processing plant;
- e. Records of the monthly and annual visible emissions observations for the 810 hp diesel engine generator. Also, records of the monthly visible emissions observations and the annual performance opacity test for the 1500 TPH primary jaw crusher, 380 TPH cone crusher, 3-deck screen, and transfer points on the radial stacker and miscellaneous conveyors; and
- f. Equipment inspection, maintenance and repair work. A log shall be maintained for the equipment covered under this permit. Inspection of the waterspray system, and replacement of parts and repairs to the crushers, screen, conveyors, diesel engine generator and waterspray system shall be well documented. Also include the records for the temporary replacement of the diesel engine generator. At a minimum, the log shall include:
  - i. Date of the inspection/maintenance/repair work;
  - ii. Description of the findings and any maintenance/repair work performed; and
  - iii. The name and title of the personnel performing the inspection/work.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

- 6. All records, including supporting information, shall be maintained at the facility for at least five (5) years from the date of the monitoring samples, measurements, tests, reports, or application. Support information includes all calibration and maintenance records and copies of all reports required by the permit. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their representative(s) upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### **Section E. Reporting and Notification Requirements**

- 1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 16, 17 and 25, respectively:
  - a. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
  - b. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and*

- c. *Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.*

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90)

2. The permittee shall submit **semi-annually** the following reports to the Department of Health. The reports shall be submitted within **sixty (60) days** *after the end of each semi-annual calendar period (January 1 to June 30 and July 1 to December 31)* and shall include the following:
- a. The total hours of operation for the 810 hp diesel engine generator on a monthly and rolling twelve (12) month basis;
  - b. The maximum sulfur content (percent by weight) of the diesel fuel no. 2 fired in the 810 hp diesel engine generator;
  - c. The total tons of material processed by the portable stone processing plant on a monthly and rolling twelve (12) month basis;
  - d. Any opacity exceedances as determined by the required visible emissions monitoring of the 810 hp diesel engine generator, crushers, screen, and transfer points on the radial stacker and miscellaneous conveyors. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that for each equipment there were no exceedances for that semi-annual period; and
  - e. Any deviations from permit requirements shall be clearly identified.

The enclosed **Monitoring Report Forms - Operating Hours, Fuel Certification, Stone Quarrying and Processing** and **Visible Emissions**, shall be used for reporting purposes.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90)

3. Annual Emissions

As required by Attachment IV, and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit on an annual basis the total tons per year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due within **sixty (60) days** *following the end of each calendar year*. The enclosed **Annual Emissions Report Forms - Fuel Consumption and Stone Quarrying and Processing**, shall be used in reporting annual emissions.

Upon the written request of the permittee, the deadline for reporting annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-114)

4. The permittee shall report **within five (5) working days** *any deviations from the permit requirements*, including those attributable to upset conditions, the probable cause of such deviations, and any corrective actions or preventative measures taken. Corrective actions may include a requirement for additional source performance testing, more frequent monitoring, or the implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

5. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, **Compliance Certification Form**, pursuant to HAR §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall be submitted **within ninety (90) days** *after the end of each calendar year*, and shall be signed and dated by a responsible official. The compliance certification shall include, at a minimum, the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114 (a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and
- f. Any additional information as required by the Department of Health including information to determine compliance.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

6. Stack Height Certification

The permittee shall certify in writing within **thirty (30) days** of issuance of this permit that the stack height for the 810 hp diesel engine generator is a minimum of 6.4 meters.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

**Section F. Testing Requirements**

1. On an annual basis or at other times as specified by the Department of Health, the permittee shall conduct or cause to be conducted performance tests to determine the visible emissions of fugitive emissions from the 1500 TPH primary jaw crusher, 380 TPH cone crusher, 3-deck screen, and transfer points on the radial stacker and miscellaneous conveyors. The Department of Health may require testing at other points in the facility or more frequent testing if an inspection indicates opacity exceedances at emission points.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

2. Performance tests for visible emissions shall be conducted and results reported in accordance with the test methods set forth in 40 CFR Part 60, Appendix A, and 40 CFR Part 60, §60.8. The tests shall be conducted using 40 CFR Part 60, Method 9 and the procedures in 40 CFR Part 60, §60.11 with the following additions or U.S. EPA-approved equivalent methods with prior written approval from the Department of Health.
  - a. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
  - b. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed;
  - c. When determining compliance with the fugitive emissions standard in Special Condition No. C.5. of this Attachment, for the 1500 TPH primary jaw crusher and 380 TPH cone crusher, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:
    - i. There are no individual readings greater than fifteen (15) percent opacity; and
    - ii. There are no more than three (3) readings of fifteen (15) percent for the 1-hour period;

- d. When determining compliance with the fugitive emissions standard specified in Special Condition No. C.6. of this Attachment, for the 3-deck screen, and transfer points on the radial stacker and miscellaneous conveyors, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:
  - i. There are no individual readings greater than ten (10) percent opacity; and
  - ii. There are no more than three (3) readings of ten (10) percent for the 1-hour period;
- e. When determining compliance with the fugitive emissions standards of Special Condition Nos. C.5. and C.6. of this Attachment, if the emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:
  - i. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.
  - ii. Separate the emissions so that the opacity of emissions from each affected facility can be read.

(Auth.: HAR §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

- 3. **At least thirty (30) days prior to conducting the performance test**, the permittee shall submit a written performance test plan to the Department of Health that includes date(s) of the test, test duration, test locations, test methods, source operation, and other parameters that may affect test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.8)<sup>1</sup>

- 4. The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the portable stone processing plant. All performance tests may be monitored by the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

5. Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department of Health before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

6. **Within sixty (60) days after completion of the performance test**, the permittee shall submit to the Department of Health the test report which includes the operating conditions of the facility at the time of the test (e.g., water pressure for dust suppression), the summarized test results, other pertinent support calculations, and field/laboratory data. The results shall be recorded and reported in accordance with 40 CFR Part 60, Appendix A and §60.8.

The performance test report shall include the crusher operating rates (tons/hr), locations of where the visible emissions were read, visible emissions readings, location of water sprays, and operating water pressure (psi) and/or water flow rate (gal/min) of the water spray system during the test. The normal operating water pressure of the spray system shall be determined by the water pressure and/or flow rate used during the performance test that demonstrates compliance with the opacity limits of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

7. Upon written request and justification, the Department of Health may waive the requirement for, or a portion of, a specific performance test. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior test indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous test.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

8. The Department of Health may request additional performance tests if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

**Section G. Change of Location Requirements**

1. The permittee shall submit information regarding all succeeding location changes to the Department of Health for approval at least **thirty (30) days**, or such lesser time as designated and approved by the Department of Health, prior to the change in location. The information submitted shall include the following:
  - a. Name, address, and phone number of the facility and the plant site manager or other contact;
  - b. Temporary covered source permit number and expiration date;
  - c. Location map of the new temporary location containing the following information:
    - i. Identification of the property boundary, any fence lines, and general terrain features (i.e., flat, hilly, steep);
    - ii. Location of all structures within 100 meters of the equipment. Provide the building dimensions (height, length, width and distance to the equipment stack) of all structures that have heights greater than 40% of the stack height of the equipment; and
    - iii. Identification of other air pollution sources at the new temporary location;
  - d. Area map showing the equipment layout and the new temporary location;
  - e. Projected dates of operation at the new temporary location;
  - f. Certification that no modification will be made to the equipment, and operational methods will remain similar as permitted under this temporary covered source permit at the new temporary location;
  - g. Any other air pollution sources owned and operated by the permittee at the new temporary location; and
  - h. Any additional information as requested by the Department of Health, including an ambient air quality impact assessment of the facility at the new temporary location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

2. The applicable filing fee shall be submitted with each change of location request to the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

3. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

4. With the exception of the initial location, if the plant remains in any one location for longer than twelve (12) consecutive months, the Department of Health may request an ambient air quality impact assessment of the source.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

5. At each of the authorized locations, the permittee shall operate in accordance with this temporary covered source permit and all applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

6. All the information required in this section shall be submitted to the Department of Health using the attached form, **Change of Location Request for a Temporary Source**, along with the location map of the new temporary location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

#### **Section H. Agency Notification**

Any document (including reports) required to be submitted by this temporary covered source permit shall be done in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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<sup>1</sup> The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

<sup>2</sup> The citation to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specific provision(s) of the SIP.

**ATTACHMENT II - INSIG: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT  
INSIGNIFICANT ACTIVITIES**

**[Issuance Date]**

**[Expiration Date]**

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

**Section A. Equipment Description**

This attachment encompasses insignificant activities listed in HAR, §11-60.1-82(f) and (g) for which provisions of this permit and HAR, Subchapter 2, General Prohibitions apply.

(Auth.: HAR §11-60.1-3)

**Section B. Operational Limitations**

1. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

2. The Department of Health may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

**Section C. Monitoring and Recordkeeping Requirements**

1. The Department of Health reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. All records shall be maintained for at least five (5) years from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

**Section D. Notification and Reporting**

Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, **Compliance Certification Form**, pursuant to HAR §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall be submitted **within ninety (90) days after the end of each calendar year**, and shall be signed and dated by a responsible official. The compliance certification shall include, at a minimum, the following information:

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent;
4. The methods used for determining the compliance status of the source currently and over the reporting period; and
5. Any additional information as required by the Department of Health including information to determine compliance.

**In lieu of addressing each emission unit as specified in Compliance Certification Form, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.**

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

**Section E. Agency Notification**

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

## PROPOSED

### ATTACHMENT III: ANNUAL FEE REQUIREMENTS TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT

**[Issuance Date]**

**[Expiration Date]**

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1 be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1:

1. Annual fees shall be paid in full:
  - a. Within **sixty (60) days** after the end of each calendar year; and
  - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch  
Environmental Management Division  
State of Hawaii Department of Health  
P. O. Box 3378  
Honolulu, HI 96801-3378**

## PROPOSED

### ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT

[Issuance Date]

[Expiration Date]

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

1. Complete the attached **Annual Emission Report Forms: Fuel Consumption and Stone Quarrying and Processing**.
2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

**Clean Air Branch  
Environmental Management Division  
State of Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacture, by submitting a written request to the Department of Health, and clearly identifying the specific information that is to be accorded confidential treatment.

## PROPOSED

### COMPLIANCE CERTIFICATION FORM TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT

[Issuance Date]

[Expiration Date]

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually, or more frequently as set by an applicable requirement:

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

Complete the following information for **each** term or condition of the permit that applies to **each** emissions unit at the source. Also include any additional information as required by the director. The compliance certification may reference information contained in a previous compliance certification submittal to the director, provided such referenced information is certified as being current and still applicable.

1. Current permit number: \_\_\_\_\_

2. Emissions Unit No./Description: \_\_\_\_\_

3. Identify the permit term(s) or condition(s) that is/are the basis of this certification:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Compliance status during the reporting period:

a. Has the emissions unit been in compliance with the identified permit term(s) or condition(s)?

☐ YES

☐ NO

b. If YES, was compliance continuous or intermittent?

☐ Continuous

☐ Intermittent

## PROPOSED

c. If NO, explain.

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5. The methods used for determining the compliance status of the emissions unit currently and over the reporting period (e.g., monitoring, recordkeeping, reporting, test methods, etc.):

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Provide a detailed description of the methods used to determine compliance: (e.g., monitoring device type and location, test method description, or parameter being recorded, frequency of recordkeeping, etc.)

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6. Statement of Compliance with Enhanced Monitoring and Compliance Certification Requirements.

a. Is the emissions unit identified in this application in compliance with applicable enhanced monitoring and compliance certification requirements?

☐ YES

☐ NO

b. If YES, identify those requirements:

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c. If NO, describe below which requirements are not being met:

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## PROPOSED

**MONITORING REPORT FORM  
OPERATING HOURS  
TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

Equipment Capacity/Rating (specify units): \_\_\_\_\_  
(Units such as Horsepower, kilowatt, tons/hour, etc.)

Serial/ID No.: \_\_\_\_\_

Type of Fuel: \_\_\_\_\_ %Sulfur Content by Weight: \_\_\_\_\_ %Nitrogen: \_\_\_\_\_  
%Ash: \_\_\_\_\_ %Lead: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

MONTH	MONTHLY OPERATING HOURS (Hrs)	TOTAL OPERATING HOURS ROLLING 12-MONTHS BASIS (Hrs)	NOTES
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

## PROPOSED

**MONITORING REPORT FORM  
FUEL CERTIFICATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

Serial/ID No.: \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

**Fuel Certification for the Reporting Period:**

Equipment	Type of Fuel Fired	Maximum Sulfur Content (% by Weight)
810 hp diesel engine generator		

## PROPOSED

**MONITORING REPORT FORM  
STONE QUARRYING AND PROCESSING  
TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

(Provide Ton/Hr Rated Capacity for Primary Crusher or Crushing Rate of the Plant)

Serial/ID No.: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

MONTH	MONTHLY AMOUNT OF MATERIAL PROCESSED (TONS)	TOTAL AMOUNT OF MATERIAL PROCESSED ROLLING 12-MONTH BASIS (TONS)	NOTES
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

## PROPOSED

**MONITORING REPORT FORM**  
**VISIBLE EMISSIONS**  
**TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (PRINT):\_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature):\_\_\_\_\_

**Visible Emissions:**

Report the following on the lines provided below: all date(s) and six (6) minute average opacity reading(s) which the opacity limit was exceeded during the monthly observations; or if there were no exceedances during the monthly observations, then write no exceedances in the comment column.

[illegible]

## PROPOSED

<b>VISIBLE EMISSIONS FORM REQUIREMENTS STATE OF HAWAII</b>
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The following Visible Emissions (V.E.) Form shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with 40 CFR Part 60, Appendix A, Method 9 or by use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), V.E. observations shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. Form shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in 5 percent increments (i.e., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. Stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. Two (2) observations shall be taken at fifteen (15) second intervals for six (6) consecutive minutes for each equipment.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
  - a. Read from where the line of sight is at right angles to the wind direction.
  - b. The line of sight shall not include more than one (1) plume at a time.
  - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
  - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
  - e. The equipment shall be operating at maximum permitted capacity.
7. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health, or their representative upon request.

# PROPOSED



## VISIBLE EMISSIONS FORM STATE OF HAWAII

(Make Copies for Future Use for Each Equipment)

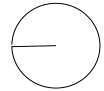
Permit No.: 0467-01-CT

Company Name: \_\_\_\_\_

Equipment and Fuel: \_\_\_\_\_

Stack **X**  
Sun   
Wind 

Draw North Arrow



### Site Conditions:

Stack height above ground (ft): \_\_\_\_\_

Stack distance from observer (ft): \_\_\_\_\_

Emission color (black or white): \_\_\_\_\_

Sky conditions (% cloud cover): \_\_\_\_\_

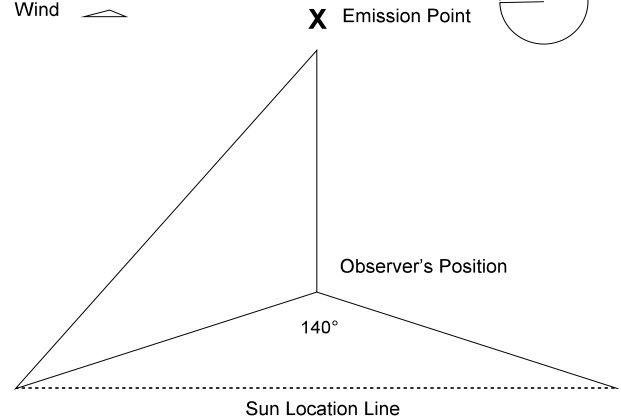
Wind speed (mph): \_\_\_\_\_

Temperature (°F): \_\_\_\_\_

Observer Name: \_\_\_\_\_

Certified? (Yes/No): \_\_\_\_\_

Observation Date and Start Time: \_\_\_\_\_



SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: \_\_\_\_\_

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

## PROPOSED

**ANNUAL EMISSIONS REPORT FORM  
FUEL CONSUMPTION  
TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

Equipment Capacity/Rating (specify units): \_\_\_\_\_  
(Units such as Horsepower, kilowatt, tons/hour, etc.)

Serial/ID No.: \_\_\_\_\_

Type of Fuel: \_\_\_\_\_ % Sulfur Content by Weight: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

MONTH	MONTHLY FUEL CONSUMPTION (GALLONS)	NOTES
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
Total		

## PROPOSED

**ANNUAL EMISSIONS REPORT FORM  
STONE QUARRYING AND PROCESSING  
TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

(Provide Ton/Hr Rated Capacity for Primary Crusher or Crushing Rate of the Plant)

Serial/ID No.: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

Type of Operation	Material Processed (tons/yr)	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
Truck Unloading			
Primary Crushing			
Cone Crushing			
Screening			
Truck Loading			
Conveyors			
Stock Piles			

NOTE: Control measures include water sprays, partial enclosures, screens, housing and duct work to baghouses.

*\*Use the following Control Efficiencies, unless documentation is available to show otherwise:*

- 1. Baghouses: 99%*
- 2. Watersprays, Damp Material, or Shroud: 70%*
- 3. Wet Slurry: 100%*

*Efficiency factors may be reduced by the Department of Health, if there are any indications that a source's air pollution control device is not operating at the specified efficiency.*

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT  
(PAGE 1 OF 2)**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall provide the following information to the Department of Health:

(Make Copies for Future Use)

1. The permittee shall complete this Change of Location Request Form regarding all succeeding location changes and shall submit this form to the Department of Health for approval at least **thirty (30) days**, or such lesser time as designated and approved by the Department of Health, prior to the change in location.
2. The permittee shall submit a location map of the new temporary location containing the following information:
  - a. Identification of the property boundary, any fence lines, and general terrain features (i.e., flat, hilly, steep);
  - b. Location of all structures within 100 meters of the equipment. Provide the building dimensions (height, length, width and distance to the equipment stack) of all structures that have heights greater than 40% of the stack height of the equipment; and
  - c. Identification of any other air pollution sources at the new location.
3. The permittee shall submit a filing fee with each change in location request. The filing fees shall be made payable to the **Clean Air Special Fund-Cov** and are as follows:

Covered Sources:     \$100 for Non-Air Toxic; \$300 for Air Toxic
4. The permittee shall submit any additional information as requested by the Department of Health.
5. This Notification Form shall be mailed to the following address:

**CLEAN AIR BRANCH  
ENVIRONMENTAL MANAGEMENT DIVISION  
STATE OF HAWAII DEPARTMENT OF HEALTH  
P.O. Box 3378  
Honolulu, HI 96801-3378**

**(808) 586-4200**

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1. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.
  2. At each new authorized location, the permittee shall operate in accordance with the current Temporary Covered Source Permit and all applicable requirements.

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0467-01-CT  
(CONTINUED, PAGE 2 OF 2)  
(Make Copies for Future Use)**

1. Company Name: \_\_\_\_\_
2. Facility Name (if different from the Company): \_\_\_\_\_
3. Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Phone Number: \_\_\_\_\_
4. Name of Owner/Owner's Agent: \_\_\_\_\_  
Title: \_\_\_\_\_ Phone: \_\_\_\_\_
5. Equipment Description: \_\_\_\_\_
6. Current Equipment Location: \_\_\_\_\_
7. **New Equipment Location:** \_\_\_\_\_
  - a. Plant site manager or other contact, if different than Current contact:  
\_\_\_\_\_
  - b. Phone Number: \_\_\_\_\_
  - c. Proposed start date at *New Location*: \_\_\_\_\_
  - d. Estimated project duration: \_\_\_\_\_
8. Brief description of the work to be performed. Also identify other air pollution sources owned and operated by the permittee at the new location, if any.:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**I certify that no modifications will be made to the equipment and operational methods will remain similar as permitted under the current Temporary Covered Source Permit at this new location.**

Responsible Official (Print name): \_\_\_\_\_ Date: \_\_\_\_\_

Title of Responsible Official: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_